



STIC Search Report

EIC 2800

STIC Database Tracking Number: 151701

**TO: Ashok Patel
Location: JEF-3D29
Art Unit : 2879
Tuesday, April 26, 2005**

Case Serial Number: 10/053525

**From: Darcy Bates
Location: EIC 2800
JEF- 4B68
Phone: 571-272-2540**

darcy.bates@uspto.gov

Search Notes

Re: 10/053,525 US 5,986,400

Attached are search results.

**No U. S. litigation was found in searches of
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let
me know.**

**Thanks,
Darcy Bates**

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Patent Search - Number: 5,705,888



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Patent Search - Number: 5,986,400



No cases containing this patent number were found.

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Terms: **patno=5986400** ([Edit Search](#))

891611 (08) 5986400 November 16, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5986400

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[Link to Claims Section](#)

November 16, 1999

Electroluminescent device comprising a transparent structured electrode layer made from a conductive polymer

REISSUE: November 13, 2001 - Reissue Application filed Ex. Gp.: 2879; Re. S.N. 10/053,525 (O.G. August 6, 2002)

INVENTOR: Staring, Aemilianus G. J. - Eindhoven, Netherlands (NL); Braun, David B. - Eindhoven, Netherlands (NL)

APPL-NO: 891611 (08)

FILED-DATE: July 11, 1997

GRANTED-DATE: November 16, 1999

ASSIGNEE-AT-ISSUE: U Philips Corporation, New York, New York, United States (US), 02

LEGAL-REP: Spain, Norman N.

PUB-TYPE: November 16, 1999 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

REL-DATA:

Division of Ser. No. 08/523837, September 6, 1995, GRANTED 5705888

US-MAIN-CL: 313#503

US-ADDL-CL: 313#504, 313#505

CL: 313

SEARCH-FLD: 313#498, 313#503, 313#504, 313#505

IPC-MAIN-CL: 6H 05B033#2


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patno=5986400

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Search Connectors

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Syntax Definition

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| or | or |
| w/N | within N words |
| not w/N | not within N words |
| pre /N | precedes by N words |
| w/p | in same paragraph |
| not w/p | not in same paragraph |
| w/seg | in same segment |
| not w/seg | not in same segment |
| w/s | in same sentence |
| not w/s | not in same sentence |
| and not | and not |
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Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5986400/pn

** SS 1: Results 1

Search statement 2

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
PN - US5986400 A 19991116 [US5986400]
TI - (A) Electroluminescent device comprising a transparent structured electrode layer made from a conductive polymer
PA - (A) PHILIPS CORP (US)
PAO - U.S. Philips Corporation, New York NY [US]
IN - (A) BRAUN DAVID B (NL); STARING AEMILIANUS G J (NL)
AP - US89161197 19970711 [1997US-0891611]
FD - Divsn of US523837 19950906 [1995US-0523837]
Division of: US5705888
PR - US89161197 19970711 [1997US-0891611]
EP94202543 19940906 [1994EP-0202543]
US52383795 19950906 [1995US-0523837]
IC - (A) H05B-033/02
EC - H01L-027/32M2
H01L-051/50E
H01L-051/52B2
ICO - T01L-051/30D2B2
PCL - ORIGINAL (O) : 313503000; CROSS-REFERENCE (X) : 313504000
313505000
DT - Corresponding document
CT - EP615257
J. C. Guatafason et al, "In situ spectroscopic investigations of electrochromics and ion transport in a poly (3,4-athylenedioxythiphenes) electrode in a solid state electrochemical cell", Solid State Ionics, 1994, pp. 145-152.

G. Gustafsson et al, "Flexible light-emitting diodes made from soluble conducting polymers", Nature, vol. 357, Jun. 11, 1992, pp. 477-479.

D. Braun, et al, "Photo and electroluminescence efficiency in poly(dialkoxy-p-phenylenevinylene)", Synthetic Metals, 1994, pp. 75-79.

E. Staring et al, Photo and Electroluminescence Efficiency in Soluble Poly(dialkyl-p-phenylenevinylene), Advanced Materials, 1994, 6 No. 12, pp. 934-937.
STG - (A) United States patent
AB - A description is given of an electroluminescent (EL) device (1) composed of polymeric LEDs comprising an active layer (7) of a conjugated polymer and a transparent polymeric electrode layer (5) having electroconductive areas (51) as electrodes. Like the active layer (7), the electrode layer (5) can be manufactured in a

simple manner by spin coating. The electrode layer (5) is structured into conductive electrodes (51) by exposure to UV light. The electrodes (9) and (51) jointly form a matrix of LEDs for a display. When a flexible substrate (3) is used, a very bendable EL device is obtained.

1 / 1 LGST - ©EPO
PN - US5986400 A 19991116 [US5986400]
AP - US89161197 19970711 [1997US-0891611]
ACT - 20020806 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20011113
UP - 2003-22

1 / 1 CRXX - ©CLAIMS/RRX
AN - 3237695
PN - 5,986,400 A 19991116 [US5986400]
PA - U S Philips Corp
PT - CE (Chemical Electrical)
ACT - 20011113 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20020806
REISSUE REQUEST NUMBER: 10/053525
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2879

Reissue Patent Number:

UP - 2002-32
UACT- 2002-08-06

Search statement 2

Query/Command : fam us5986400/pn

1 Patent Groups
** SS 2: Results 8

Search statement 3

Query/Command : famstate nonstop

1 / 8 PLUSPAT - ©QUESTEL-ORBIT
PN - DE69529512 D1 20030306 [DE69529512]
STG - (D1) Granted EP number in bulletin
OTI - (D1) Elektrolumineszente Vorrichtung mit einer
3,4-Ethylen-Dioxythiophen-Schicht
PA - (D1) KONINKL PHILIPS ELECTRONICS NV (NL)
IN - (D1) BRAUN DAVID (NL); STARING GRADUS (NL)
IC - (D1) H01L-051/10 H01L-051/40

Poly-

PN2 - DE69529512 T2 20031113 [DE69529512]
 STG2- (T2) Trans. Of EP patent
 OTI2- (T2) Elektrolumineszente Vorrichtung mit einer Poly-
 3,4-Ethylen-Dioxythiophen-Schicht
 PA2 - (T2) KONINKL PHILIPS ELECTRONICS NV (NL)
 IN2 - (T2) BRAUN DAVID (NL); STARING GRADUS (NL)
 IC2 - (T2) H01L-051/10 H01L-051/40
 AP - DE69529512 19950828 [1995DE-6029512]
 PR - EP94202543 19940906 [1994EP-0202543]
 WOIB9500701 19950828 [1995WO-IB00701]
 UP - 2003-10

1 / 1 LEGALI - ©EPO

PN - DE69529512 D1 20030306 [DE69529512]DE69529512 T2 20031113
 [DE69529512]
 AP - DE69529512 19950828 [1995DE-6029512]
 ACTE- 20040129 DE/8363-A [-]
 OPPOSITION AGAINST THE PATENT
 UP - 2004-05

2 / 8 PLUSPAT - ©QUESTEL-ORBIT

PN - EP0727100 A1 19960821 [EP-727100]
 STG - (A1) Public. Of applic. With search report
 TI - (A1) ELECTROLUMINESCENT DEVICE COMPRISING A TRANSPARENT STRUCTURED
 ELECTRODE LAYER MADE FROM A CONDUCTIVE POLYMER
 OTI - (A1) ELEKTROLUMINESZENTE VORRICHTUNG MIT EINER TRANSPARENTEN
 STRUKTURIERTEN ELEKTRODE-SCHICHT AUS LEITFÄHIGEM POLYMER
 (A1) DISPOSITIF ELECTROLUMINESCENT COMPRENANT UNE COUCHE A
 ELECTRODES STRUCTUREE TRANSPARENTE CONSTITUEE D'UN POLYMERE
 CONDUCTEUR
 PA - (A1) PHILIPS ELECTRONICS NV (NL)
 IN - (A1) BRAUN DAVID (NL); STARING AEMILIANUS GRADUS JOHA (NL)
 IC - (A1) H01L-051/10 H01L-051/40
 PN2 - EP0727100 B1 20030129 [EP-727100]
 STG2- (B1) Patent
 TI2 - (B1) Electroluminescent device comprising a
 poly-3,4-dioxythiophene layer
 OTI2- (B1) Elektrolumineszente Vorrichtung mit einer Poly-
 3,4-Ethylen-Dioxythiophen-Schicht
 (B1) Dispositif electroluminescant comprenant une couche de
 poly-3,4-dioxythiophène
 PA2 - (B1) KONINKL PHILIPS ELECTRONICS NV (NL)
 IN2 - (B1) BRAUN DAVID (NL); STARING AEMILIANUS GRADUS JOHA (NL)
 IC2 - (B1) H01L-051/10 H01L-051/40
 LA - ENGLISH (ENG)
 AP - EP95927926 19950828 [1995EP-0927926]
 PR - EP95927926 19950828 [1995EP-0927926]
 EP94202543 19940906 [1994EP-0202543]
 WOIB9500701 19950828 [1995WO-IB00701]
 DS - DE ES FR GB IT NL

1 / 1 LEGALI - ©EPO

PN - EP0727100 A1 19960821 [EP-727100]EP0727100 B1 20030129 [EP-727100]
 AP - EP95927926 19950828 [1995EP-0927926]
 ACTE- 19960821 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE ES FR GB IT NL

19961113 EP/17P-A [+]
REQUEST FOR EXAMINATION FILED
EFFECTIVE DATE: 19960916

19980826 EP/RAP3-A
APPLICANT CHANGE OF NAME (CORRECTION)
OWNER: KONINKLIJKE PHILIPS ELECTRONICS N.V.

20010711 EP/17Q-A [+]
FIRST EXAMINATION REPORT
EFFECTIVE DATE: 20010525

20020522 EP/RTI1-A
TITLE (CORRECTION)
ELECTROLUMINESCENT DEVICE COMPRISING A POLY-3,4-DIOXYTHIOPHENE
LAYER

20030129 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE ES FR GB IT NL

20030129 EP/REG-A; GB/FG4D [+]
GB: EUROPEAN PATENT GRANTED
<GB>

20030306 EP/REF-A
CORRESPONDS TO:
(DE 69529512 20030306 [DE69529512])

20030326 EP/REG-A; GB/746
GB: REGISTER NOTED 'LICENCES OF RIGHT' (SECT. 46/1977)
<GB>
EFFECTIVE DATE: 20030305

20030815 EP/ET-A [+]
FR: TRANSLATION FILED

20030901 EP/REG-A; ES/FG2A
ES: DEFINITIVE PROTECTION
(ES 2191057T3 [ES2191057])

20031010 EP/REG-A; FR/D6
FR: ADMISSION TO LICENCES OF RIGHT
<FR>

20031217 EP/26-A [-]
OPPOSITION FILED
OPPONENT: H.C. STARCK GMBH & CO. KG; EFFECTIVE DATE: 20031016

20040202 EP/NLRI-A [-]
NL: OPPOSITION HAS BEEN FILED WITH THE EPO
OPPONENT: H.C. STARCK GMBH & CO. KG

UP - 2004-06

3 / 8 PLUSPAT - @QUESTEL-ORBIT - image
PN - EP1271669 A2 20030102 [EP1271669]
STG - (A2) Pub. Of applic. Without search report
TI - (A2) Electroluminescent device comprising a transparent structured
electrode layer made from a conductive polymer
OTI - (A2) Elektrolumineszente Vorrichtung mit einer strukturierten

transparenten Elektrodenschicht aus leitfähigem Polymer
 (A2) Dispositif électroluminescent comprenant une couche à électrodes structurée transparente constituée d'un polymère conducteur

PA - (A2) KONINKL PHILIPS ELECTRONICS NV (NL)
 IN - (A2) BRAUN DAVID (NL); STARING AEMILIANUS G J (NL)
 IC - (A2) H01L-027/00 H01L-051/20
 PN2 - EP1271669 A3 20050126 [EP1271669]
 STG2- (A3) Publi. Of search report
 TI2 - (A3) Electroluminescent device comprising a transparent structured electrode layer made from a conductive polymer
 OTI2- (A3) Elektrolumineszente Vorrichtung mit einer strukturierten transparenten Elektrodenschicht aus leitfähigem Polymer
 (A3) Dispositif électroluminescent comprenant une couche à électrodes structurée transparente constituée d'un polymère conducteur

PA2 - (A3) KONINKL PHILIPS ELECTRONICS NV (NL)
 IN2 - (A3) BRAUN DAVID (NL); STARING AEMILIANUS G J (NL)
 IC2 - (A3) H01L-027/00 H01L-051/20
 LA - ENGLISH (ENG)
 AP - EP02078449 19950828 [2002EP-0078449]
 PR - EP02078449 19950828 [2002EP-0078449]
 EP95927926 19950828 [1995EP-0927926]
 EP94202543 19940906 [1994EP-0202543]
 EC - H01L-027/32M2
 H01L-051/50E
 H01L-051/52B2
 ICO - T01L-051/30D2B2
 DS - DE ES FR GB IT NL
 DT - Basic
 UP - 2003-01

1 / 1 LEGALI - ©EPO
 PN - EP1271669 A2 20030102 [EP1271669]
 AP - EP02078449 19950828 [2002EP-0078449]
 ACTE- 20030102 EP/AC-A
 DIVISIONAL APPLICATION (ART. 76) OF:
 (EP 727100 [EP-727100])
 20030102 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE ES FR GB IT NL
 20050126 EP/AK-A
 DE ES FR GB IT NL
 UP - 2005-04

4 / 8 PLUSPAT - ©QUESTEL-ORBIT
 PN - ES2191057 T3 20030901 [ES2191057]
 STG - (T3) Transl. Compl. Txt. Of grted Eur. Pat.
 OTI - (T3) DISPOSITIVO ELECTROLUMINISCENTE QUE COMPRENDE UNA CAPA DE POLI-3,4-DIOXITIOFENO.
 PA - (T3) KONINKL PHILIPS ELECTRONICS NV
 IN - (T3) BRAUN DAVID (NL); STARING AEMILIANUS GRADUS JOHA (NL)
 IC - (T3) H01L-051/10 H01L-051/40
 AP - ES95927926T 19950828 [1995ES-0927926]
 PR - EP94202543 19940906 [1994EP-0202543]
 UP - 2003-40

5 / 8 PLUSPAT - ©QUESTEL-ORBIT

PN - JP2001506393 T 20010515 [JP2001506393]
STG - (T) Unexam. Pat. Appl. On foreign appl.
IC - (T) C09K-011/06 H05B-033/10 H05B-033/28
AP - JP50934496T 19950828 [1996JP-0509344]
PR - EP94202543 19940906 [1994EP-0202543]
WOIB9500701 19950828 [1995WO-IB00701]
UP - 2001-37

6 / 8 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5705888 A 19980106 [US5705888]
STG - (A) United States patent
TI - (A) Electroluminescent device comprising a transparent structured
electrode layer made from a conductive polymer
PA - (A) PHILIPS CORP (US)
PAO - U.S. Philips Corporation, New York NY [US]
IN - (A) BRAUN DAVID B (NL); STARING AEMILIANUS G J (NL)
IC - (A) H01L-033/00 H05B-033/02
AP - US52383795 19950906 [1995US-0523837]
PR - EP94202543 19940906 [1994EP-0202543]
EC - H01L-027/32M2
H01L-051/50E
H01L-051/52B2
ICO - T01L-051/30D2B2
PCL - ORIGINAL (O) : 313503000; CROSS-REFERENCE (X) : 313504000
313505000
DT - Corresponding document

1 / 1 LEGALI - ©EPO

PN - US5705888 A 19980106 [US5705888]
AP - US52383795 19950906 [1995US-0523837]
ACTE- 19951115 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: U.S. PHILIPS CORPORATION 100 EAST 42ND STREET NEW;
EFFECTIVE DATE: 19950929

19951115 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: STARING, AEMILIANUS G.J.; EFFECTIVE DATE: 19950929

19951115 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: BRAUS, DAVID B.; EFFECTIVE DATE: 19951002
UP - 2003-22

7 / 8 PLUSPAT - ©QUESTEL-ORBIT - image

PN - US5986400 A 19991116 [US5986400]
STG - (A) United States patent
TI - (A) Electroluminescent device comprising a transparent structured
electrode layer made from a conductive polymer
PA - (A) PHILIPS CORP (US)
PAO - U.S. Philips Corporation, New York NY [US]
IN - (A) BRAUN DAVID B (NL); STARING AEMILIANUS G J (NL)
IC - (A) H05B-033/02

AP - US89161197 19970711 [1997US-0891611]
PR - US89161197 19970711 [1997US-0891611]
EP94202543 19940906 [1994EP-0202543]
US52383795 19950906 [1995US-0523837]
EC - H01L-027/32M2
H01L-051/50E
H01L-051/52B2
ICO - T01L-051/30D2B2
PCL - ORIGINAL (O) : 313503000; CROSS-REFERENCE (X) : 313504000
313505000
DT - Corresponding document

1 / 1 LEGALI - ©EPO
PN - US5986400 A 19991116 [US5986400]
AP - US89161197 19970711 [1997US-0891611]
ACTE- 20020806 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20011113
UP - 2003-22

8 / 8 PLUSPAT - ©QUESTEL-ORBIT - image
PN - WO9608047 A2 19960314 [WO9608047]
STG - (A2) Publ. Of int. Appl. W/out int. Search rep
TI - (A2) ELECTROLUMINESCENT DEVICE COMPRISING A TRANSPARENT STRUCTURED
ELECTRODE LAYER MADE FROM A CONDUCTIVE POLYMER
OTI - (A2) DISPOSITIF ELECTROLUMINESCENT COMPRENANT UNE COUCHE A
ELECTRODES STRUCTUREE TRANSPARENTE CONSTITUTE D'UN POLYMER
CONDUCTEUR
PA - (A2) PHILIPS ELECTRONICS NV (NL); PHILIPS NORDEN AB (SE)
PAO - PHILIPS ELECTRONICS N.V. ; Groenewoudseweg 1 NL-5621 BA Eindhoven (NL)
PHILIPS NORDEN AB ; Kottbygatan 5, Kista S-164 85 Stockholm (SE)
(only SE)
IN - (A2) BRAUN DAVID; STARING AEMILIANUS GRADUS JOHA
IC - (A2) H01L-051/10 H01L-051/40
PN2 - WO9608047 A3 19960523 [WO9608047]
STG2- (A3) Subsqu. Publ. Of int. Search report
TI2 - (A3) ELECTROLUMINESCENT DEVICE COMPRISING A TRANSPARENT STRUCTURED
ELECTRODE LAYER MADE FROM A CONDUCTIVE POLYMER
PA2 - (A3) PHILIPS NORDEN AB (NL); PHILIPS ELECTRONICS NV (NL)
IN2 - (A3) BRAUN DAVID; STARING AEMILIANUS GRADUS JOHA
IC2 - (A3) H01L-051/10 H01L-051/40
LA - ENGLISH (ENG)
AP - WOIB9500701 19950828 [1995WO-IB00701]
PR - EP94202543 19940906 [1994EP-0202543]
EC - H01L-027/32M2
H01L-051/50E
H01L-051/52B2
ICO - T01L-051/30D2B2
DS - JP; European Patent (AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT;
LU; MC; NL; PT; SE)
DT - Basic

1 / 1 LEGALI - ©EPO
PN - WO9608047 A2 19960314 [WO9608047]WO9608047 A3 19960523 [WO9608047]
AP - WOIB9500701 19950828 [1995WO-IB00701]
ACTE- 19960314 WO/AK [+]
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT

JP

19960314 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY
PUBLISHED SEARCH REPORT
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

19960507 WO/ENP
ENTRY INTO THE NATIONAL PHASE IN:
JP 1996 509344A [1996JP-0509344]

19960523 WO/AK [+]
DESIGNATED STATES CITED IN A SUBSEQUENTLY PUBLISHED SEARCH REPORT
JP

19960523 WO/AL [+]
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A SUBSEQUENTLY
PUBLISHED SEARCH REPORT
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

19960619 WO/121
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN
THIS APPLICATION

UP - 2003-22


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Syntax Definition

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| or | or |
| w/N | within N words |
| not w/N | not within N words |
| pre /N | precedes by N words |
| w/p | in same paragraph |
| not w/p | not in same paragraph |
| w/seg | in same segment |
| not w/seg | not in same segment |
| w/s | in same sentence |
| not w/s | not in same sentence |
| and not | and not |

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Search**Restrict by Segment:**

Select a segment, enter search terms for the segment, then click Add.

Select a Segment

Add

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Search Connectors

Use connectors to show relationships between search terms. (Hover over a connector for description. Click a connector to add to search.)

Syntax Definition

| | |
|---------------------------|-----------------------|
| and | and |
| or | or |
| w/N | within N words |
| not w/N | not within N words |
| pre /N | precedes by N words |
| w/p | in same paragraph |
| not w/p | not in same paragraph |
| w/seg | in same segment |
| not w/seg | not in same segment |
| w/s | in same sentence |
| not w/s | not in same sentence |
| and not | and not |

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Search Connectors

Use connectors to show relationships between search terms. (Hover over a connector for description. Click a connector to add to search.)

Syntax Definition

| | |
|---------------------------|-----------------------|
| and | and |
| or | or |
| w/N | within N words |
| not w/N | not within N words |
| pre /N | precedes by N words |
| w/p | in same paragraph |
| not w/p | not in same paragraph |
| w/seg | in same segment |
| not w/seg | not in same segment |
| w/s | in same sentence |
| not w/s | not in same sentence |
| and not | and not |

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